

**INFORMATION TECHNOLOGY –  
COURSE WORK EXAMINATION - THEORY**

**TIME: 1 Hour**

**USE COMPLETE SENTENCES TO ANSWER ALL QUESTIONS.**

**PLEASE NUMBER YOUR QUESTIONS CORRECTLY.**

1. State the definition of the TWO (2) terms given below. Give two (2) examples of each and state whether the examples provided retrieval method (how data is read from the devices) is **direct (Random) or serial (Sequential) access?**
  - a. Storage Medium;
  - b. Storage Device. (6 marks)
2. Choose any two (2) Output Devices from the list provided (i– vi) below and do the following:
  - a. Give a brief description of how they output information (print);
  - b. State whether they are Impact or Non-Impact printer and Character, Line or Page printers;
  - c. Explain what it means when a printer is classified as a Character, Line or Page printer.
  - (i) Dot-Matrix Printer;
  - (ii) Inkjet Printer;
  - (iii) Laser Printer;
  - (iv) Thermal Printer;
  - (v) Plotter;
  - (vi) Daisy Wheel Printer. (7 marks)
3. Write out the full meaning for the following Acronyms:
  - a. CD-ROM;
  - b. CD-R;
  - c. CD-RW;
  - d. DVD-ROM;
  - e. DVD-R;
  - f. DVD-RW; (6 marks)
4. Give a brief description for five (5) of the following terms:
  - a. Bit/Binary Digit;
  - b. Address;
  - c. Bistable Device;
  - d. Cylinders;
  - e. Read;
  - f. Write;
  - g. Volatile/Temporary Storage;
  - h. Non-Volatile/Permanent Storage;
  - i. Buffer;
  - j. Word. (10 marks)
5. Give a definition of:
  - a. Primary Memory;
  - b. Identify the two (2) main types of Main Memory, state what component they are made of and the purpose of each;
  - c. List the two (2) acronyms of one type of Primary Memory. (7 marks)
6. Indicate whether the following statements are true (T) or false (F).
  - (a) A plotter is an input device. ( )
  - (b) A printer works faster than a typewriter. ( )
  - (c) A VDU can display both graphics and text. ( )
  - (d) Another term for Output is scanning. ( )(4 marks)